CLAIMS

1. A method for rolling back an image comprising:
    determining a roll-back state;
    configuring a current state to the roll-back state; and
    determining whether the roll-back state is secure.

2. A method as recited in claim 1 further including securing the roll-back state.

3. A method as recited in claim 1 wherein the image is a system.

4. A method as recited in claim 1 wherein the image is a file.

5. A method as recited in claim 1 wherein the image is an application.

6. A method as recited in claim 1 wherein determining a roll-back state includes determining a non-infected state.

7. A method as recited in claim 1 wherein configuring a current state to the roll-back state includes marking a first portion of a repository.

8. A method as recited in claim 7 wherein configuring a current state to the roll-back state further includes reverting a second portion of the repository.

9. A method as recited in claim 1 wherein securing the roll-back state further includes evaluating a definition in a repository providing data to the roll-back state.

10. A method as recited in claim 1 wherein securing the roll-back state further includes determining whether the definition is updated.

11.   A method as recited in claim 1 wherein securing the roll-back state further includes retrieving an updated definition if the definition is not updated.

12.   A method as recited in claim 1 wherein securing the roll-back state further
5   includes installing the updated definition if the definition is not updated.

13.   A method as recited in claim 1 wherein configuring a current state to the roll-back state further includes:
        displaying a message; and
10   receiving a user input.

14.   A method as recited in claim 13 wherein configuring a current state to the roll-back state further includes using the user input to determine the roll-back state.

15   15.   A method for rolling back a computer state comprising:
        scanning a repository;
        leaving a marker in a first portion of the repository;
        determining a safe state;
        reverting the computer state to the safe state; and
20   analyzing a second portion of the repository determined by the marker and the
    safe state.

16.   A method as recited in claim 15 wherein scanning the repository further comprises:
25   determining a version; and
        updating the version if the version occurred prior to leaving the marker in the first portion of the repository.

17.   A method as recited in claim 15 wherein determining a safe state includes
30   searching for a virus.

18.   A method as recited in claim 15 wherein determining a safe state includes evaluating a result of a vulnerability assessment.

5   19.   A method as recited in claim 15 wherein reverting the computer state to a safe state includes restoring a system to a previously non-infected version of the system.

20.   A method as recited in claim 15 wherein reverting the computer state to a safe state includes restoring a file to a previously non-infected version of the file.

10

21.   A method as recited in claim 15 wherein reverting the computer state to a safe state includes restoring an application to a previously non-infected version of the application.

15 22.   A method as recited in claim 15 wherein the first portion of the repository is non-revertible.

23.   A method as recited in claim 15 wherein the second portion of the repository is revertible.

20

24.   A system for rolling back an image comprising:
        a repository for storing data;
        a scanner for determining a roll-back state;
        a protection module for configuring a current state to the roll-back state; and
25   a definition for securing the roll-back state.

25.   A system as recited in claim 24 wherein the repository further includes:
        a first portion of non-revertible memory for storing a marker; and
        a second portion of revertible memory for storing data related to the roll-back
30 state.

26.   A computer program product for rolling back an image, the computer program product being embodied in a computer readable medium and comprising computer instructions for:

5   determining a roll-back state;

        configuring a current state to the roll-back state; and

        securing the roll-back state.

27.   A computer program product for rolling back a computer state, the computer
10 program product being embodied in a computer readable medium and comprising computer instructions for:

        scanning a repository;

        leaving a marker in a first portion of the repository;

15   determining a safe state;

        reverting the computer state to the safe state; and

        analyzing a second portion of the repository determined by the marker and the safe state.

20 28.   A data signal embodied in a carrier wave comprising:

        instructions for determining a roll-back state;

        instructions for configuring a current state to the roll-back state; and

        instructions for securing the roll-back state.

25 29.   A data signal embodied in a carrier wave comprising:

        instructions for scanning a repository;

        instructions for leaving a marker in a first portion of the repository;

        instructions for determining a safe state;

        instructions for reverting the computer state to the safe state; and

30   instructions for analyzing a second portion of the repository determined by the marker and the safe state.